TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION Effective December 1, 2011
WIN-1501

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**. This product shall be subject to reevaluation **May 2015**.*

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

Aluminum Clad Wood Lincoln Fit Double Hung Window, Non-impact Resistant, manufactured by

Lincoln Wood Products, Inc.
1400 W. Taylor Street
Merrill, Wisconsin 54452
(715) 536-2461

will be acceptable in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

The aluminum clad double hung window is a wood window. The aluminum clad wood double hung windows evaluated in this report are individual, non-impact resistant windows. This product evaluation report is for aluminum clad wood double hung windows based on the following tested constructions:

General Description:

System	Description	Label Rating
1	Aluminum Clad Wood Lincoln Fit Double Hung Window with Standard Jamb Liner; (X/X)	H-LC30 45 x 80
2	Aluminum Clad Wood Lincoln Fit Double Hung Window with Concealed Jamb Liner; (X/X)	H-LC30 45 x 80

Product Dimensions:

System	Overall Size	Bottom Sash Size	Top Sash Size
1	45 3/8" x 80"	42 1/2" x 39 5/8"	42 1/2" x 39 5/8"
2	45 3/8" x 80"	42 1/2" x 39 5/8"	42 1/2" x 39 5/8"

Glazing Description:

System	Glass Construction [1]	Glazing Method [2]
1	IG-1	GM-1
2	IG-1	GM-1

Note: [1] See the "Glass Construction Key" for the glazing construction.
[2] See the "Glazing Method Key" for the glazing method description.

Glass Construction Key:

IG-1: Both sashes contain a sealed insulating glass unit. The sealed insulating glass units are comprised of two double strength ($\frac{1}{8}$") annealed glass lites separated by an aluminum spacer system. The glass thickness and type used in the insulating glass unit of the tested assembly and in smaller assemblies shall comply with ASTM E 1300-04.

Glazing Method Key:

GM-1: The insulating glass units are set from the interior against structural silicone backbedding. Wood glazing stops secure the insulating glass units in place from the interior. The wood glazing stops are secured to the frame with brads.

Frame Construction: The frame head and side jambs consist of molded pine. The sill consists of a composite material. The frame head corners are rabbeted, sealed, and secured with screws. The frame sill corners are butt connected, sealed, and secured with screws.

Aluminum Cladding: The exterior extruded aluminum cladding is snap-fit and secured with staples.

Sash Construction: The sash stiles and rails consist of molded pine members. The sash corners are mortise and tenon construction and are secured with brads.

Aluminum Cladding: The exterior extruded aluminum cladding is snap-fit to the wood sash members and secured with brads.

Hardware:

- Sweep lock; Two (2) required; Located at the interior sash top rail.
- Keepers; Two (2) required; Located adjacent to the sweep locks.
- Pivot pins; Four (4) required; Located on both sashes at the bottom rail ends.
- Tilt latch; Four (4) required; Located on both sashes at the top rail ends.
- Block and tackle balance; Four (4) required; Located on the side jambs.

Product Identification: A certification program label (AAMA) will be affixed to the window. The certification program label includes the manufacturer's code name (**LN-1**), product name: **Clad Pocket Insert Double Hung**, performance characteristics; the approved inspection agency (AAMA); and the applicable standard: AAMA/WDMA/CSA 101/I.S.2/A440-05.

LIMITATIONS

Design pressures (DP):

System	Maximum Width (in.)	Maximum Height (in.)	Design Pressure (psf)
1	45 $\frac{3}{8}$	80	$\pm$ 30
2	45 $\frac{3}{8}$	80	$\pm$ 30

Impact Resistance: These window assemblies do not satisfy the Texas Department of Insurance's criteria for protection from windborne debris. These window assemblies will need to be protected with an impact protective system when installed in areas where windborne debris protection is required.

Acceptance of Smaller Assemblies: Windows assemblies with dimensions equal to or smaller than those specified above are acceptable within the limitations specified in this report.

INSTALLATION INSTRUCTIONS

General: The window assembly shall be prepared and installed in accordance with the manufacturers recommended installation instructions. Detailed installation instructions and drawings are available from the manufacturer.

Installation: The window shall be fastened to minimum Southern Yellow Pine dimension lumber. The window is secured to the wall framing using the side jamb of the window. Each side jamb is secured to the wall framing with minimum No. 6 x 2 ½ inch screws. One (1) fastener shall be located 3 inches from the sill and one (1) fastener shall be located 3 inches from the head. In addition, one (1) No. 10 x 2 ⅜" screw shall be located in each side jamb at the meeting rail. The fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing members.

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.